

IN THE CLAIMS:

Please amend Claims 11, 12, 15 and 19 to read as follows:

11. (Amended) A process for the production of oil and petroleum-resistant (polyurea)polyurethanes comprising reacting a mixture comprising

A1) a polyether polyol component having a number average molecular weight of from 1000 to 8000 g/mol and a hydroxyl functionality of 2.0 or is substantially a mixture with an average hydroxyl functionality of 2.02 to 2.95 comprising

- a) at least one polyether diol with a hydroxyl value in the range of 10 to 115 prepared by propoxylation of a difunctional starter compound and subsequent ethoxylation at a ratio by weight of propylene oxide to ethylene oxide of 60:40 to 85:15 and
- b) at least one polyether triol with a hydroxyl value in the range of 12 to 56 prepared by propoxylation of a trifunctional starter compound and subsequent ethoxylation at a ratio by weight of propylene oxide to ethylene oxide of 60:40 to 85:15,

A2) from 3 to 30 wt.%, based on total weight of components A1) and A2), of a polyester polyol component having a number average molecular weight of from 1000 to 6000 g/mol prepared by polycondensation of a) an organic polycarboxylic acid and/or a derivative thereof and b) a polyhydric alcohol,

B) a polyisocyanate component,

C) a chain extending agent,

and optionally,

D) a blowing agent and/or

E) an additive

at an isocyanate index of from 70 to 130.

12. (Amended) The process of Claim 11 in which the polyester polyol component comprises

- B₁
Cond.
- (1) from 20 to 50 mol%, based on mols of polyester polyol, of units derived from adipic acid,
 - (2) from 0-20 mol%, based on mols of polyester polyol, of units derived from glutaric acid,
 - (3) from 0 to 10 mol%, based on mols of polyester polyol, of units derived from succinic acid,
 - (4) from 10 to 30 mol%, based on mols of polyester polyol, of units derived from neopentyl glycol,
 - (5) from 10-40 mol%, based on mols of polyester polyol, of units derived from hexanediol,
 - (6) from 0-15 mol%, based on mols of polyester polyol, of units derived from ethanediol, and
 - (7) from 10-20 mol%, based on mols of polyester polyol, of units derived from butanediol.

B₂

15. (Amended) The process of Claim 11 in which the polyether polyol component, polyester polyol component, chain extending agent, any blowing agent and any additive are combined before being reacted with the polyisocyanate component.

B₃

19. (Amended) The (polyurea)polyurethane of Claim 17 which is resistant to hydrolysis and microbial action.